

CRF Errors Corrected by the STIC Systems Branch

PCTID

Serial Number: 101089,984

CRF Processing Date: 5/1/02

Edited by:

Verified by: (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



PCT10

RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/10/089,984

TIME: 11:44:38

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05012002\J089984.raw

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3 <110> APPLICANT: Bumol, Thomas F.
4      Cohen, Fredric, J.
6 <120> TITLE OF INVENTION: Therapeutic Applications of FLINT Polypeptides
8 <130> FILE REFERENCE: X-13199
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/089,984
C--> 11 <141> CURRENT FILING DATE: 2002-04-03
13 <160> NUMBER OF SEQ ID NOS: 5
15 <170> SOFTWARE: PatentIn Ver. 2.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 271
19 <212> TYPE: PRT
20 <213> ORGANISM: Homo sapiens
22 <400> SEQUENCE: 1
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26 Arg Leu Val Cys Ala Gln Cys Pro Pro Gly Thr Phe Val Gln Arg Pro
27   20              25              30
29 Cys Arg Arg Asp Ser Pro Thr Thr Cys Gly Pro Cys Pro Pro Arg His
30   35              40              45
32 Tyr Thr Gln Phe Trp Asn Tyr Leu Glu Arg Cys Arg Tyr Cys Asn Val
33   50              55              60
35 Leu Cys Gly Glu Arg Glu Glu Glu Ala Arg Ala Cys His Ala Thr His
36   65              70              75              80
38 Asn Arg Ala Cys Arg Cys Arg Thr Gly Phe Phe Ala His Ala Gly Phe
39   85              90              95
41 Cys Leu Glu His Ala Ser Cys Pro Pro Gly Ala Gly Val Ile Ala Pro
42   100             105             110
44 Gly Thr Pro Ser Gln Asn Thr Gln Cys Gln Pro Cys Pro Gly Thr
45   115             120             125
47 Phe Ser Ala Ser Ser Ser Ser Ser Glu Gln Cys Gln Pro His Arg Asn
48   130             135             140
50 Cys Thr Ala Leu Gly Leu Ala Leu Asn Val Pro Gly Ser Ser Ser His
51 145             150             155             160
53 Asp Thr Leu Cys Thr Ser Cys Thr Gly Phe Pro Leu Ser Thr Arg Val
54   165             170             175
56 Pro Gly Ala Glu Glu Cys Glu Arg Ala Val Ile Asp Phe Val Ala Phe
57   180             185             190
59 Gln Asp Ile Ser Ile Lys Arg Leu Gln Arg Leu Leu Gln Ala Leu Glu
60   195             200             205
62 Ala Pro Glu Gly Trp Gly Pro Thr Pro Arg Ala Gly Arg Ala Ala Leu
63   210             215             220
65 Gln Leu Lys Leu Arg Arg Arg Leu Thr Glu Leu Leu Gly Ala Gln Asp
66 225             230             235             240

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68 Gly Ala Leu Leu Val Arg Leu Leu Gln Ala Leu Arg Val Ala Arg Met
69           245           250           255
71 Pro Gly Leu Glu Arg Ser Val Arg Glu Arg Phe Leu Pro Val His
72           260           265           270
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80 <211> LENGTH: 813
81 <212> TYPE: DNA
82 <213> ORGANISM: Homo sapiens
84 <400> SEQUENCE: 2
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86 gccagtgcc cccaggcac ctttgtcag cggccgtgcc gccgagacag cccacgacg 120
87 tgtggcccg gtccaccgc cactacacg cagttctgga actacctgga gcgtgccgc 180
88 tactgcaacg tcctctgcgg ggagcgtgag gaggaggcac gggcttgcca cgccaccac 240
89 aaccgtgcct gccgtgccg caccggcttc ttgcgcacg ctggtttctg cttggagcac 300
90 gcacgtgtc cacctggtgc cggcgtgatt gcccgggca ccccagcca gaacacgca 360
91 tgccagcgt gccccccagg caccttctca gccagcagct ccagctcaga gcagtgcag 420
92 cccaccgca actgcacggc cctgggcctg gccctcaatg tgccaggctc ttctcccat 480
93 gacaccctgt gcaccagctg cactggcttc cccctcagca ccagggtacc aggagctgag 540
94 gagtgtgagc gtgccgtcat cgactttgtg gctttccagg acatctccat caaggagctg 600
95 cagcggctgc tgcaggcctt cgaggcccg gagggctggg gtccgacacc aaggcgggc 660
96 cgcgcgccct tgcagctgaa gctgcgtcgg cggctcacgg agctcctggg ggcgcaggac 720
97 ggggcgctgc tggtcgggct gctgcaggcg ctgcgcgtgg ccaggatgcc cgggctggag 780
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101 <211> LENGTH: 300
102 <212> TYPE: PRT
103 <213> ORGANISM: Homo sapiens
105 <400> SEQUENCE: 3
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107 1 5 10 15
109 Ala Leu Pro Ala Leu Leu Pro Val Pro Ala Val Arg Gly Val Ala Glu
110 20 25 30
112 Thr Pro Thr Tyr Pro Trp Arg Asp Ala Glu Thr Gly Glu Arg Leu Val
113 35 40 45
115 Cys Ala Gln Cys Pro Pro Gly Thr Phe Val Gln Arg Pro Cys Arg Arg
116 50 55 60
118 Asp Ser Pro Thr Thr Cys Gly Pro Cys Pro Pro Arg His Tyr Thr Gln
119 65 70 75 80
121 Phe Trp Asn Tyr Leu Glu Arg Cys Arg Tyr Cys Asn Val Leu Cys Gly
122 85 90 95
124 Glu Arg Glu Glu Glu Ala Arg Ala Cys His Ala Thr His Asn Arg Ala
125 100 105 110
127 Cys Arg Cys Arg Thr Gly Phe Phe Ala His Ala Gly Phe Cys Leu Glu
128 115 120 125
130 His Ala Ser Cys Pro Pro Gly Ala Gly Val Ile Ala Pro Gly Thr Pro
131 130 135 140
133 Ser Gln Asn Thr Gln Cys Gln Pro Cys Pro Pro Gly Thr Phe Ser Ala
134 145 150 155 160
136 Ser Ser Ser Ser Ser Glu Gln Cys Gln Pro His Arg Asn Cys Thr Ala

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RAW SEQUENCE SETTING

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Input Set : A:\PTO.DC.txt

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137          165          170          175
139 Leu Gly Leu Ala Leu Asn Val Pro Gly Ser Ser Ser His Asp Thr Leu
140          180          185          190
142 Cys Thr Ser Cys Thr Gly Phe Pro Leu Ser Thr Arg Val Pro Gly Ala
143          195          200          205
145 Glu Glu Cys Glu Arg Ala Val Ile Asp Phe Val Ala Phe Gln Asp Ile
146          210          215          220
148 Ser Ile Lys Arg Leu Gln Arg Leu Leu Gln Ala Leu Glu Ala Pro Glu
149 225          230          235          240
151 Gly Trp Gly Pro Thr Pro Arg Ala Gly Arg Ala Ala Leu Gln Leu Lys
152          245          250          255
154 Leu Arg Arg Arg Leu Thr Glu Leu Leu Gly Ala Gln Asp Gly Ala Leu
155          260          265          270
157 Leu Val Arg Leu Leu Gln Ala Leu Arg Val Ala Arg Met Pro Gly Leu
158          275          280          285
160 Glu Arg Ser Val Arg Glu Arg Phe Leu Pro Val His
161          290          295          300
164 <210> SEQ ID NO: 4
165 <211> LENGTH: 29
166 <212> TYPE: PRT
167 <213> ORGANISM: Homo sapiens
169 <400> SEQUENCE: 4
170 Met Arg Ala Leu Glu Gly Pro Gly Leu Ser Leu Leu Cys Leu Val Leu
171 1 5 10 15
173 Ala Leu Pro Ala Leu Leu Pro Val Pro Ala Val Arg Gly
174 20 25
177 <210> SEQ ID NO: 5
178 <211> LENGTH: 936
179 <212> TYPE: DNA
180 <213> ORGANISM: Homo sapiens
182 <220> FEATURE:
183 <221> NAME/KEY: CDS
184 <222> LOCATION: (25)..(924)
186 <400> SEQUENCE: 5
187 gctctccctg ctccagcaag gacc atg agg gcg ctg gag ggg cca ggc ctg 51
188 Met Arg Ala Leu Glu Gly Pro Gly Leu
189 1 5
191 tcg ctg ctg tgc ctg gtg ttg gcg ctg cct gcc ctg ctg ccg gtg ccg 99
192 Ser Leu Leu Cys Leu Val Leu Ala Leu Pro Ala Leu Leu Pro Val Pro
193 10 15 20 25
195 gct gta cgc gga gtg gca gaa aca ccc acc tac ccc tgg cgg gac gca 147
196 Ala Val Arg Gly Val Ala Glu Thr Pro Thr Tyr Pro Trp Arg Asp Ala
197 30 35 40
199 gag aca ggg gag cgg ctg gtg tgc gcc cag tgc ccc cca ggc acc ttt 195
200 Glu Thr Gly Glu Arg Leu Val Cys Ala Gln Cys Pro Pro Gly Thr Phe
201 45 50 55
205 gtg cag cgg ccg tgc cgc cga gac agc ccc acg acg tgt ggc ccg tgt 243
206 Val Gln Arg Pro Cys Arg Arg Asp Ser Pro Thr Thr Cys Gly Pro Cys
207 60 65 70

```

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209 cca ccg cgc cac tac acg cag ttc tgg aac tac ctg gag cgc tgc cgc 291
210 Pro Pro Arg His Tyr Thr Gln Phe Trp Asn Tyr Leu Glu Arg Cys Arg
211      75      80      85
213 tac tgc aac gtc ctc tgc ggg gag cgt gag gag gag gca cgg gct tgc 339
214 Tyr Cys Asn Val Leu Cys Gly Glu Arg Glu Glu Ala Arg Ala Cys
215 90      95      100      105
217 cac gcc acc cac aac cgt gcc tgc cgc tgc cgc acc ggc ttc ttc gcg 387
218 His Ala Thr His Asn Arg Ala Cys Arg Cys Arg Thr Gly Phe Phe Ala
219      110      115      120
221 cac gct ggt ttc tgc ttg gag cac gca tcg tgt cca cct ggt gcc ggc 435
222 His Ala Gly Phe Cys Leu Glu His Ala Ser Cys Pro Pro Gly Ala Gly
223      125      130      135
225 gtg att gcc ccg ggc acc ccc agc cag aac acg cag tgc cag ccg tgc 483
226 Val Ile Ala Pro Gly Thr Pro Ser Gln Asn Thr Gln Cys Gln Pro Cys
227      140      145      150
229 ccc cca ggc acc ttc tca gcc agc agc tcc agc tca gag cag tgc cag 531
230 Pro Pro Gly Thr Phe Ser Ala Ser Ser Ser Ser Glu Gln Cys Gln
231      155      160      165
233 ccc cac cgc aac tgc acg gcc ctg ggc ctg gcc ctc att gtg cca ggc 579
234 Pro His Arg Asn Cys Thr Ala Leu Gly Leu Ala Leu Ile Val Pro Gly
235 170      175      180      185
237 tct tcc tcc cat gac acc ctg tgc acc agc tgc act ggc ttc ccc ctc 627
238 Ser Ser Ser His Asp Thr Leu Cys Thr Ser Cys Thr Gly Phe Pro Leu
239      190      195      200
241 agc acc agg gta cca gga gct gag gag tgt gag cgt gcc gtc atc gac 675
242 Ser Thr Arg Val Pro Gly Ala Glu Glu Cys Glu Arg Ala Val Ile Asp
243      205      210      215
245 ttt gtg gct ttc cag gac atc tcc atc aag agg ctg cag cgg ctg ctg 723
246 Phe Val Ala Phe Gln Asp Ile Ser Ile Lys Arg Leu Gln Arg Leu Leu
247      220      225      230
249 cag gcc ctc gag gcc ccg gag ggc tgg gct ccg aca cca agg gcg ggc 771
250 Gln Ala Leu Glu Ala Pro Glu Gly Trp Ala Pro Thr Pro Arg Ala Gly
251      235      240      245
253 cgc gcg gcc ttg cag ctg aag ctg cgt cgg cgc ctc acg gag ctc ctg 819
254 Arg Ala Ala Leu Gln Leu Lys Leu Arg Arg Arg Leu Thr Glu Leu Leu
255 250      255      260      265
257 ggg gcg cag gac ggg gcg ctg ctg gtg cgg ctg ctg cag gcg ctg cgc 867
258 Gly Ala Gln Asp Gly Ala Leu Leu Val Arg Leu Leu Gln Ala Leu Arg
259      270      275      280
263 gtg gcc agg atg ccc ggg ctg gag cgg agc gtc cgt gag cgc ttc ctc 915
264 Val Ala Arg Met Pro Gly Leu Glu Arg Ser Val Arg Glu Arg Phe Leu
265      285      290      295
267 cct gtg cac tgatcctggc cc 936
268 Pro Val His
269      300

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/089,984

DATE: 01/01/2002
TIME: 11:44:39

Input Set : A:\PTO.DC.txt
Output Set: N:\CRF3\05012002\J089984.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2,3,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24
Seq#:1; Line(s) 25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44
Seq#:1; Line(s) 45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64
Seq#:1; Line(s) 65,66,67,68,69,70,71,72,73,79
Seq#:2; Line(s) 80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99
Seq#:2; Line(s) 100
Seq#:3; Line(s) 101,102,103,104,105,106,107,108,109,110,111,112,113,114,115
Seq#:3; Line(s) 116,117,118,119,120,121,122,123,124,125,126,127,128,129,130
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Seq#:3; Line(s) 161,162,163,164
Seq#:4; Line(s) 165,167,168,169,170,171,172,173,174,175,176,177
Seq#:5; Line(s) 178,179,180,181,182,183,184,185,186,187,188,189,190,191,192
Seq#:5; Line(s) 193,194,195,196,197,198,199,200,201,205,206,207,208,209,210
Seq#:5; Line(s) 211,212,213,214,215,216,217,218,219,220,221,222,223,224,225
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Seq#:5; Line(s) 257,258,259,263,264,265,266,267,268,269

VERIFICATION SUMMARY

DATE: 01/01/2002

PATENT APPLICATION: US/10/089,984

TIME: 11:44:39

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\05012002\J089984.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date